

Proceedings of the Public Consultation conducted on 27.06.2018 at 11.00 AM at Baulsingha village for establishment of a 100 KLPD Lignocellulosic 2G Ethanol Plant at Baulsingha, Bhatli Tahasil, District-Bargarh by Bharat Petroleum Corporation Ltd.

A public consultation to establish a 100 KLPD Lignocellulosic 2G Ethanol Plant at Village Baulsingha, under Bhatli Tahasil in the district of Bargarh by Bharat Petroleum Corporation Ltd was held on 27.06.2018 at 11 A.M at village Baulsingha, District Bargarh. Sri Tapiram Majhi, OAS (S), Additional District Magistrate, Bargarh presided over the meeting along with Dr. Satya Narayan Nanda, Asst. Env. Scientist, State Pollution Control Board, Odisha, Sambalpur. First of all he welcomed the public who were present at the venue for participating in the meeting. The attendance sheet of the members present in the public hearing and the public attended in the meeting are annexed as **Annexure I and II** respectively. Around 300 persons had attended the public consultation meeting whereas only 93 persons had signed the attendance sheet. 15 persons had intended to deliver their views whose list is annexed as **Annexure-III** and all of them took part in the deliberations. The statements of the public participated in the deliberation is annexed as **Annexure-IV**. The video recording of the entire proceeding of the public hearing was made during the proceedings and will be forwarded to the Ministry of Environment & Forest, Govt. of India, New Delhi as such along with the written statements of the public & proceeding of the meeting.

At the outset, Dr. S. N. Nanda, Asst. Env. Scientist of State Pollution Control Board, Sambalpur welcomed all the public present in the meeting. He briefly described the objectives towards conducting the public consultation as per the EIA Notification No. S.O. 1533(E) of Dt.14th September 2006 of the Ministry of Environment and Forests & Climate Change (MOEF & CC), Government of India and the importance of the actual views of the villagers regarding the project. He also informed that the date, time and venue for conducting the public hearing of Bharat Petroleum Corporation Ltd to establish a 100 KLPD Lignocellulosic 2G Ethanol Plant at Baulsingha, Bhatli Tahasil, Bargarh was duly advertised in one Odia daily news paper, Dharitri,

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dt.27.05.2018 and in one English daily newspaper, The New Indian Express on dt.27.05.2018 following due procedure. The venue, date and timing of the Public hearing meeting of the said project were extensively propagated. The executive summary of the project both in Odia & English were displayed in public at the meeting venue and also distributed among the persons during the meeting. The executive summary also is available in the website of State pollution Control Board, Bhubaneswar (www.ospcboard.org).

Prior to the deliberation the Addl. District Magistrate, Bargarh as well as the Asst. Env. Scientist informed the public to participate in the public hearing and discuss about the impact on the environment due to the proposed project. Their statements should be corroborated towards pros and cons on establishment of the plant especially in line with environment & pollution to be caused due to the project. Thereafter, the Addl. District Magistrate called the project proponent to describe the details of the project and its impact on surrounding environment before the public.

Sri Asit Kumar Mohanta, Manager Projects (Biofuels), Bharat Petroleum Corporation Ltd. on behalf of BPCL stated that the proposed plant to blend 10% ethanol in petrol to reduce the environmental pollution. In India it requires 313 crore liters of ethanol to make 10% blend in petrol. But, they will be producing 160 crore liters of Ethanol from molasses and the rest of requirements of ethanol will be met from other sources.

It has been evident that ethanol can be manufactured from rice straw, wheat straw; soya stalk and cotton stalk etc. As there is surplus of rice straw in Bargarh area; Bharat Petroleum Corporation Ltd has decided to set up 2G ethanol plant in Bargarh. This plant will produce 100 KL per day ethanol which enhances the present blending of 3% to almost 10%. This plant is one of the 12 plants coming up in various locations in India.

The blending of ethanol in petrol will reduce the vehicular pollution and simultaneously use of the agricultural waste into production of ethanol. The plant will provide various advantages to the villagers.

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- Farmers will get revenue out of agricultural waste (which is normally burnt)
- Will generate employment opportunities/ revenue as well as involvement in facilitating the storage/transportation of these waste materials to the plant.
- Will attract in setting up ancillary industry in the area.
- Will enhance the livelihood of farmers in the surrounding areas.
- It will encourage and generate skill development in the area.
- A source in developing facilities in the village towards health and education in the village.

As requested by Sri Asit Kumar Mohanta, Manager Projects (Biofuels), BPCL, Dr. Chiranjibi Pattnaik, Representative of the Consultant (M/s. Engineers India Ltd.) of Bharat Petroleum Corporation Ltd stated that the Environmental Impact Assessment report for 2G ethanol plant at Baulsingha, Bargarh was carried out by Engineers India Ltd. and he emphasized on the following points:

- Total Project cost is 747.46 Crore
- Time duration for completion of the project: 24 months.
- Land requirement: 100% Govt. land for use in the proposed project.
- Water will be taken from Bargarh Canal through a pipeline.
- Power will be sourced from State Grid Power
- Rice straw (raw material) will be collected from the nearby surrounding agricultural fields.
- In the 10 Km vicinity of the proposed plant, no National Park/Wildlife sanctuary is present.

The Baseline data were collected from different components like air, water, noise, soil on qualities. The biological and socio-economic environments were also studied during Jan-Mar-2018. The description of existing environmental status of the study area is summarized below.

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- All air quality parameters were found well within limits prescribed by National Ambient Air Quality Standard (NAAQS), 2009.
- Surface as well as ground water quality was found well within the IS: 10500.
- Noise levels for the day and night time were found well within the noise standard.
- The socio-economic conditions of the surrounding villages were found in average condition.

The EIA study also covers the mitigation measures and environmental management plan which is described in short as below:

- To ensure preventive maintenance of vehicles and equipment.
- Regular monitoring of air quality parameters.
- No discharge of treated waste water outside the plant area and all effluents will be treated and recycled.
- A thick green belt shall be developed in the proposed plant for mitigating the noise and air emission
- To develop project specific waste management plan and hazardous material handling plant for the construction/operation phases.
- Extending outreach CSR programmes to the surrounding villages. As part of Corporate Environmental Responsibility (CER), Bharat Petroleum Corporation Ltd will spend some fund in the surrounding villages:
 - Solar lighting.
 - Improvement in Health.
 - Providing facilities for education.
 - Improve the road condition.

As per the national policy for bio-fuel mandates, at least 5% ethanol must be blended with petrol. The Govt. plans to increase this to 10% by 2020 with 1G bio-fuel plants, India can only feed upto 3% of this demand. But an increase in the 2G ethanol production, it will meet the future demand. The

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farmers can sell their agricultural waste mostly rice straw to BPCL, which will further enhance production of ethanol from bio-refinery. This recycling and reusing of wastes will recede burning of waste anymore. It is a win-win situation for the local farmers who will get money by selling their rice straw and the green house emission shall also be reduced due to the proposed project.

Public deliberations on various issues of the project one by one was made thereafter.

After the deliberations were made by the public, Asst. Env. Scientist, SPCB, Sambalpur summarized various issues raised by the public and invited the project proponent to offer their views on those issues. Sri N. Manohar Rao, Executive Director, Bharat Petroleum Corporation Ltd put forth his views on the issues raised by the Public. The summary of the views and concerns of the public and the commitments made by the Project Proponent are annexed in Odia language & English language as Annexure-V & VI respectively. Finally the meeting was ended with a vote of thanks to the chair and other participants.

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27/6/2018

Asst. Env. Scientist,
State Pollution Control Board,
Odisha, Sambalpur

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27/6/18

Addl. District Magistrate
Bargarh